

HD6600BP

High Density Polyethylene Resin

Special Characteristics : InnoPlus HD6600BP is high density polyethylene in powder form with excellent particle size distribution control.

This grade is designed for composite extrusion profile in variety product.

Typical Applications : Composite Extrusion Profile

Typical Properties :

Properties	HD6600BP	Unit	Test Method
Physical Properties			
Melt Flow Rate (190 °C, 2.16 kg)	0.40	g/10 min	ASTM D1238
Density	0.957	g/cm ³	ASTM D1505
Vicat softening point	125	°C	ASTM D1525
Melting Temperature	133	°C	ASTM D3418

Mechanical Properties (Based on compression specimens)

Tensile Strength at Yield	320	kg/cm ²	ASTM D638
Tensile Strength at Break	400	kg/cm ²	ASTM D638
Elongation at Break	1,000	%	ASTM D638
Flexural Modulus	14,000	kg/cm ²	ASTM D790
Notched Izod Impact Strength	10 (P) *	kg.cm/cm	ASTM D256
Durometer Hardness	65	Shore D	ASTM D2240

Powder Properties

Powder Size Distribution	>250 μ	<1.5	%	ASTM D1921
	≤250 μ	≥98.5	%	ASTM D1921

* P = Partial Break

FDA Statement :

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.

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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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